Amendments to the Claims

List of Claims:

Claims 1-9 (cancelled)

Claim 10 (withdrawn): A method for applying an adherent film coating to a metallic substrate comprising forming a polymeric binder containing a host polymer and a bonding promoter, mixing the polymeric binder with a finely divided coating material, and spreading the so formed polymeric coating composition onto said metallic substrate while allowing cross-linking of the binder to occur in situ thereby achieving good adherence between said coating composition and said substrate.

Claim 11 (withdrawn): A coating method according to claim 10 wherein said coating material is selected from the group consisting of ceramic powders, carbon powders, metallic powders and mixtures thereof.

Claim 12 (withdrawn) A coating method according to claim 11 wherein said host polymer is selected from the group consisting of poly(vinylidene-fluoride) homopolymers, poly(vinylidene-fluoride)-hexafluoropropylene copolymers, poly(vinyl pyrrolidinone, poly(acrylonitrile), poly(phosphazine) and poly(methylmethacrylate) polymers and mixtures thereof.

Claim 13 (withdrawn): A coating method according to claim 12 wherein said bonding promoter is selected from the group consisting of Bis(trimethoxysilylpropyl)amine, hepta(decafluoro-1,1,2,2- tetrahydrodecyl)triethoxy silane, bis[3-(trimethoxysilylpropyl] ethylenediamine and N-(2-aminoethyl)3-aminopropyl-triethoxysilane and mixtures thereof.

Claim 14 (currently amended) A film coating for a metallic substrate comprising from about 90 to about 99 weight percent of a powdered coating material substantially uniformly dispersed throughout a solid polymeric matrix composed of a mixture comprising at least one host polymer selected from the group consisting of poly(vinylidene-fluoride) polymers, poly(vinylidene-fluoride)-hexafluoropropylene copolymers, poly(vinyl pyrrolidinone, poly(acrylonitrile), poly(phosphazine) ~~and~~, poly (methylmethacrylate) polymers and mixtures thereof and a bonding promoter selected from the group consisting of Bis(trimethoxysilylpropyl)amine, hepta(decafluoro-1,1,2,2-tetrahydrodecyl)triethoxy silane, bis[3-(trimethoxysilylpropyl] ethylenediamine and N-(2-aminoethyl)3-aminopropyl-triethoxysilane and mixtures thereof.

Claim 15 (previously presented): A film coating according to claim 14 wherein said powdered coating material is selected from the group consisting of ceramic powders, carbon powders, metallic powders and mixtures thereof.

Claim 16 (currently amended): A lithium battery electrode according to claim ~~15~~ 18 wherein said powdered ~~coating~~ material contains carbon.

Claim 17 (currently amended): A lithium battery electrode according to claim ~~15~~ 18 wherein said powdered ~~coating~~ material contains a lithium compound.

Claim 18 (new): A lithium battery electrode comprising from about 90 to about 99 weight percent of an electrochemically active powdered material substantially uniformly dispersed throughout a solid polymeric matrix composed of a mixture comprising from about 1 to about 10 weight percent of at least one host polymer selected from the group consisting of poly(vinylidene-fluoride) polymers, poly(vinylidene-fluoride)-hexafluoropropylene copolymers, poly(vinyl pyrrolidinone, poly(acrylonitrile), poly(phosphazine), poly (methylmethacrylate) polymers and mixtures thereof and from about 0.001 to about

1 weight percent of a bonding promoter selected from the group consisting of Bis(trimethoxysilylpropyl)amine, hepta(decafluoro-1,1,2,2- tetrahydrodecyl)triethoxy silane, bis[3-(trimethoxysilylpropyl] ethylenediamine and N-(2-aminoethyl)3-aminopropyl-triethoxysilane and mixtures thereof.